



## **STEM Advisory Council YEAR 3 AND BEYOND**

### **1. Moving forward, what should be a short-term goal for the Council? Long term?**

#### **SHORT TERM**

- Website: showcase great programs and a one-stop information center for STEM, and define STEM (integration, relevant problem-solving).
- Clear event calendar by region.
- Expand teacher externships and student internships.
- Expand STEM for underserved and underrepresented students.
- Encourage integration of STEM topics into all curricular areas as the Common Core is implemented.
- Roll out STEM Professional Development.
- Maintain connection to 2012-13 Scale-up recipients- share outcomes rpt. with them.
- Community Forums.
- Summer STEM programs for youth.
- Ramp up awareness, including tools for Council member communications.
- More business – school partnership guidance and programming. Especially small and medium businesses – such as volunteer vignettes
- Carry STEM message into community org's – Rotary, PTA, school boards, etc. (Target groups per month – e.g., School Board awareness month)
- Package the assessment data for wide exposure.

#### **LONG TERM**

- Self-sustaining programming---school districts, non-formals, and business involvement to carry on STEM w/o Legislative funding.
- Broadband access for all learners.
- Deliver scale-up to all Iowans.
- Measure progress. (Especially track STEM participants thru to post-secondary.)
- Measure STEM Classroom impact for expansion.
- Fundraising.
- Eliminate silos.
- Engage and educate parents.
- Award and recognize models and exemplars.
- Bring reform to higher education STEM.
- Respond to workforce need – soft skills for e.g.

## **2. Relatedly, where is a gap in Iowa's STEM portfolio that we need to address?**

- Need an innovation incubator fund.
- Develop guidelines for schools to develop STEM classrooms or schools.
- Engage school counselors.
- Engage post-secondary institutions in STEM teacher prep. reform.
- Draw in more underrepresented (i.d. rockstar role models to celebrate).
- Challenge the B.A.- Or-Bust mentality.
- Use STEM to usher in competency-based.
- Youth voice.
- Get schools to integrate STEM subjects.
- A match.com for STEM to match education need with community/bus. resources.

## **3. What do you believe could be the next "big thing" in STEM education?**

- Ag Science credit to satisfy Life Science graduation requirement.
- Computer science credit required for graduation.
- Iowa Learning Online deliver STEM to rural Iowa.
- K-12 + businesses + non-formal + higher ed.
- Rebrand STEM to be cool, creative.
- Get younger youth into industry.
- Army of STEM professionals unleashed to volunteer.
- "STEM dollars" – for participating in STEM Events. Redeemable at State Fair, Zoo, Sci Ctrs., partner vendors.
- Iowa Pride, Iowa Feeds the World, Iowa History.
- STEM'ville app.
- Entrepreneur focus of STEM.

## **4. How can the Council best use your talents and contributions in the coming year?**

- Every Advisory Council member attend/help out at one STEM Council event or program (arranged via regional manager).
- Every Advisory Council member present the STEM Council's programming to at least one audience or constituency ("message map" needed).
- Development of the STEM teaching certificate at our institution.
- Contributing to PR campaign.
- Creating access to data and STEM research.
- Utilize STEM Community Active Learning Partners.
- Support of improved broadband access across Iowa.
- Contribute a "voice" to create awareness.
- Donating space for a meeting (student clubs).
- Market STEM when we market ourselves.
- Host teacher externships.
- Businesses meet with school superintendents to communicate the skills students need.
- Convene superintendents and businesses to talk about workforce needs.